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IN THE CLAIMS

Please consider the following pending claims:

1. (Previously Presented) A power distribution system comprising:

a first printed circuit board

a second printed circuit board mounted on the first printed circuit board, the second printed circuit board including a capacitive coupler;

a power supply mounted on the first printed circuit board;

a 64 bit processor mounted on the second printed circuit board, the 64 bit processor spaced remotely from the power supply; and

a flexible cable connector comprising a first end and a second end, the first end electrically connected to the processor via the capacitive coupler of the second printed circuit board and the second end electrically connected to the power supply, the flexible connector configured with a length to cause the remote spacing of the power supply relative to the 64 bit processor, the flexible connector extending between the power supply and the 64 bit processor independent of the first printed circuit board with the flexible connector including:

a plurality of insulated power wires arranged generally parallel to each other extending from the first end to the second end of the flexible cable connector; and

a ground structure including a ground shield that surrounds the plurality of insulated power wires and extends from the first end to the second end of the flexible cable connector, with the ground structure configured to provide a return path for current between the 64 bit processor and the power supply.

2. (Previously Presented) The system of claim 1 wherein the ground shield comprises at least one of:

a single shield portion;

a first shield portion and a second shield portion removably separable from the first shield portion; and the first shield portion and the second shield portion separate from the first shield portion.

3. (Original) The system of claim 1 wherein the ground structure comprises:

a plurality of ground wires arranged generally parallel to the plurality of insulated power wires, extending from the first end to the second end of the connector, in a side-by-side, alternating relationship with the plurality of power wires, wherein both the plurality of ground wires and power wires are surrounded by the ground shield.

4. (Canceled)

5. (Previously Presented) The system of claim 1 wherein the ground structure comprises the ground shield acting as the return current path between the 64 bit processor and the power supply.

6-7. (Canceled)

8. (Original) The system of claim 1 wherein the ground structure and the plurality of insulated power wires define a single flexible sheet which is configured with a first side edge, a second side edge, and a body portion extending between the first and second side edges, and wherein the single flexible sheet is in a rolled configuration with the first side edge disposed in a center of the rolled configuration and the second side edge disposed at an outer surface of the rolled configuration.

9. (Original) The system of claim 1 and further comprising:

an adhesive insulator sheet sandwiched between the ground shield and the generally parallel arrangement of the power wires, and including a first adhesive surface for securing the power wires to the adhesive insulator sheet and a second opposite adhesive surface for securing the adhesive insulator sheet to the ground shield.

10-20. (Canceled)

21. (Previously Presented) A power distribution system comprising:

a first printed circuit board;

a power supply mounted on the first printed circuit board;

a processor mounted on the first printed circuit board; and

a flexible cable connector comprising a first end electrically connected to the processor and a second end electrically connected to the power supply and configured with a length so that the power supply is in a spaced relationship relative to the processor, the flexible connector extending between the power supply and the processor independent of the first printed circuit board and including:

a plurality of insulated power wires arranged generally parallel to each other extending from the first end to the second end of the flexible cable connector; and

a ground structure including a ground shield that surrounds the plurality of insulated power wires and extends from the first end to the second end of the flexible cable connector, with the ground structure configured to provide a return path for current between the processor and the power supply; and

wherein the ground structure and the plurality of insulated power wires define a single flexible sheet which is configured with a first side edge, a second side edge, and a body portion extending between the first and second side edges, and wherein the single flexible sheet is in a rolled configuration with the first side edge disposed in a center of the rolled configuration and the second side edge disposed at an outer surface of the rolled configuration.

22. (Previously Presented) A high density computing system comprising:

a motherboard and a daughterboard mounted on the motherboard;

a power supply mounted on the motherboard;

a high-end processor mounted on the daughterboard, the high-end processor including a high power parameter and a stringent current parameter; and

a flexible cable connector comprising a first end electrically connected to the high-end processor and a second end electrically connected to the power supply and configured with a length so that the power supply is in a spaced relationship relative to the high-end processor, the flexible connector extending between the power supply and the high-end processor independent of the first printed circuit board and the flexible connector including:

a plurality of insulated power wires arranged generally parallel to each other extending from the first end to the second end of the flexible cable connector; and

a ground structure including a ground shield that surrounds the plurality of insulated power wires and extends from the first end to the second end of the flexible cable connector, with the ground structure configured to provide a return path for current between the high-end processor and the power supply.

23. (Previously Presented) The high density computing system of claim 22 wherein the high-end processor comprises a 64-bit central processor unit.

24. (Previously Presented) The power distribution system of claim 1 wherein the ground structure and the plurality of insulated power wires define a single flexible sheet arranged in a folded configuration.